

WHAT IS CLAIMED IS:

1.           A power-supply unit for automobiles, connected to an electrically-driven brake device which generates braking forces by being electrically driven, an electric generator capable of generating braking forces for a vehicle by power generation, and a storage device for storing electric power, the power-supply unit comprising a first power supply line for connecting the electric generator with the storage device, a second power supply line for connecting the first power supply line with the electrically-driven brake device, and power-source connection means provided on the second power supply line and have interrupting function.

2.           The power-supply unit according to claim 1, wherein the second power supply line is connected to the first power supply line at at least two locations, and the first power supply line and the second power supply line constitute an annular power supply line, and further comprising a first junction, at which the electric generator is connected to the annular power supply line, a second junction, at which the storage device is connected to the annular power supply line, a third junction, at which the electrically-driven brake device is connected to the annular power supply line, first power-source connection means provided between the first junction and the second junction and having interrupting function, second power-source connection

means provided between the second junction and the third junction and having interrupting function, and third power-source connection means provided between the first junction and the third junction and having interrupting function.

3. The power-supply unit according to claim 1, wherein there is provided second power-source connection means provided between the first power supply line and the storage device and having interrupting function, and the power-source connection means provided on the second power supply line is connected to a terminal of the storage device.

4. The power-supply unit according to claim 1, wherein a grounding preventive member other than a wire-coating covers the power supply line from a junction, at which the first power supply line and the second power supply line are connected to each other, to the power-source connection means, and the first power supply line.

5. The power-supply unit according to claim 1, further comprising an electric power supply source provided on the second power supply line and having storage function or power generation function.

6. The power-supply unit according to claim 1, further comprising electric loads other than the electrically-driven brake device and connected to the first power supply line, power-source connection means arranged between the first power supply line and the

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electric loads, and a power-source control device for detecting interruption between the electrically-driven brake device and the first power supply line to control connection of the power-source connection means.